

 One Dorset Pathology	UHD Blood Film & Critical Results for Telephoning Tables	
 Dorset County Hospital NHS Foundation Trust	Document No: U-HAE-D-43	
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Minimum action to be taken in the event of abnormal results:

Abnormality	Blood film	Refer to clinical haematologist	Contact medical team urgently
Red cell			
Hb low*g/l	<90	-	<75
Hb high*	>180 (male) >170 (female)	>190 (male) >180 (female)	>200
HCT	See SOP for criteria	See SOP for criteria	
MCV* fl	<75 or >105	-	-
MCHC g/l	<300 or >360	-	-
White cells x10⁹/l			
WBC*	<4.0 or >30	-	-
neutrophils*	<1.6 or >20 if no known cause	<0.8 or >25 if no known cause	<1
lymphocytes*	>5.0 (adult) or >7.0 (<12 years old)	>10.0	-
monocytes*	≤0.1 (adult) and >1.5 (adult) and >3.0 (<12 years of age)	-	-
eosinophils	>2.0	>3.0	-
basophils	>0.3	>0.5	-
Platelets			
Platelet count	<100 or >600	<50 or >800	<20 or >1000
ESR			
			>80mm if '? TA' (Temporal Arteritis) or '? GCA' (Giant Cell Arteritis).
Coagulation			
INR	-	>6	>6.0 for clinic INR's
APTT	-	-	>5.0 for unfractionated heparin patients
Fibrinogen (Clauss)	-	-	<1.0 (non-obstetrics) or <2.0 (Maternity)
D-Dimer	-	-	>1.0 for all GP and outpatients. Inpatient D Dimers should be phoned in context with other results. Phone all >20
Special Haematology			
HbA1c	-	-	>120 if not known diabetic.
Sickle cell	If positive	If homozygous positive	If pre-operative or acutely ill

*Denotes range is specific to adults. Refer to U-HAE-D-295 for all reference ranges including paediatric ranges.

Pay reference to:

U-HAE-P-45 FBC Authorisation & Blood Film Criteria in Haematology

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U-HAE-P-46 Procedure for use of the FILM QUEUE and referring films to Consultants.

All urgent blood films and manual differentials should have a copy of the results report printed off the DxH 900 analyzer and placed on the urgent clip. All urgent blood films and manual differentials must be looked at and reported ASAP by a competent BMS during the early, routine day and the late/extended day shifts. Any films left on the urgent clip at the end of the late/extended day shift need to be handed over to the night shift BMS.

Any urgent blood films and manual differentials still on the clip for the night shift BMS should also be viewed as a matter of urgency. Any manual differentials that occur after the shutdown period (6am-9am) for the DxH SMS II can be left for the early/routine day BMS's (unless clinically urgent). This must be communicated by the night shift BMS to the early BMS.

Any films of clinical urgency that occur during the shutdown period for the DxH SMS II (6am-9am) should have a quick diff done, film reported and if required referral to the consultant Haematologist. The urgent film should be handed over to the early shift BMS, who can then switch on the DxH SMS II to have a routine automated blood film made for review by the consultant Haematologist if the quick diff film is still in the urgent consultant film tray.

Urgent Films include but are not limited to:

Hb <75 or >200
 Neutrophils <1
 Platelets <20 or >1000

All Haematology inpatients

Any A+E, UTC, Critical Care, Delivery Suite, TIU, Paediatric and NICU patients.




All patients who require manual differential.

Any film with variant LY, LY Blast, NE Blast or MO Blast Flags.

All malaria requests.

All abnormal bleeding or bruising patients.

Refer to haematologist	Contact medical team urgently
<ul style="list-style-type: none"> Leucoerythroblastic films Nucleated red cells (other than in neonates or patients with haemorrhage). 	<ul style="list-style-type: none"> Positive parasite screen Post-splenectomy picture if patient pyrexial.

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<ul style="list-style-type: none"> • Post-splenectomy picture • Blasts • Pelgeroid or agranular neutrophils 	
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Urgent Telephone Criteria for **Haematology IN-PATIENTS**

Abnormality	Phone
Hb g/l	
≤ 65	Ward nurse or doctor
Platelets x 10⁹/L	
<5	Ward nurse or doctor

Urgent Telephone Criteria for **Haematology OUT-PATIENTS**

TIU request for regular transfusion patient

Abnormality	Phone
Hb g/l	
≤ 70	TIU or Haem SpR on call if no answer or OOH
Neutrophils 10⁹/l	
<0.5 if previously >1.0	Haem SpR on call
Platelets x 10⁹/l	
<10	Haem SpR on call

Urgent Telephone Criteria for **Haematology CLINIC PATIENTS**

Patient not on regular transfusion

Abnormality	Phone
Hb g/l	
≤ 75	Haem SpR on call
Neutrophils 10⁹/l	
<0.5 if previously >1.0	Haem SpR on call
Platelets x 10⁹/l	
<20	Haem SpR on call

Enter details of all telephoned results in the LIMS